

Properties

SurTec 609 ZetaCoat

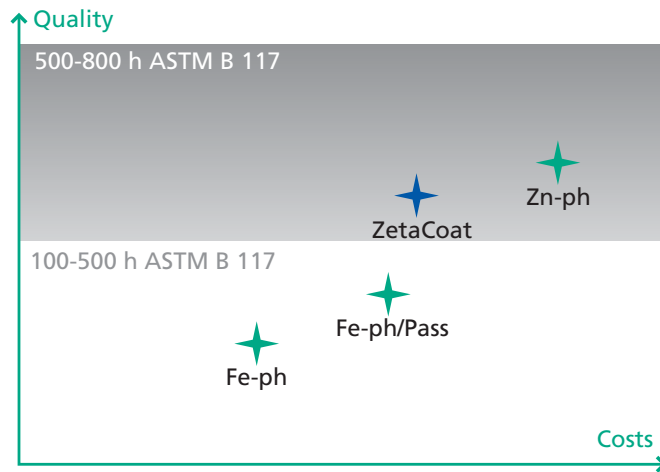
- is a new generation of technology for pretreatment and conversion coating prior to painting
- is applied in spray and dip applications
- can be used for
 - cold rolled steel (CRS)
 - hot-dip galvanised steel (HDG)
 - electrogalvanised steel (EG)
 - aluminium (Al)

SurTec 609 ZetaCoat provides

- high corrosion resistance
- excellent paint adhesion
- identifiable visible conversion layer
- environmentally safe technology



Multi-metal:
SurTec ZetaCoat on steel (left) and on HDG part (right)



Quality versus costs

SurTec 609 ZetaCoat is a hazard-free non-phosphate conversion coating, based on patented trivalent chromium technology

- does not contain hydroxylamine or hydroxyl ammonium sulfate
- is a simple, easy to control, user friendly process
- in compliance with international legislation and regulations such as RoHS, WEEE and ELV
- works at low temperature (25-35 °C)
- no sludge build-up during production

SurTec

SurTec 609 ZetaCoat

The Visible Difference

Trivalent Chromium Based Conversion Coating

Multi-Metal Pretreatment System for Paint and Powder Coating

1. Cleaning

SurTec 138: 1-3 %vol
 SurTec 086: 0.1-0.5 %vol (spray)
 SurTec 089: 0.1-0.5 %vol (dip)
 application time: 60-180 s
 temperature: 40-60 °C
 pressure (spray): 1-1.5 bar

2. Rinse

tap water

3. Rinse

tap water/deionised water, max. 350 µS/cm

4. Passivation

SurTec 609 ZetaCoat: 3-5 %vol
 pH-value: 4-4.5
 application time: 20-120 s
 temperature: 20-35 °C
 pressure (spray): 0.8-1.2 bar

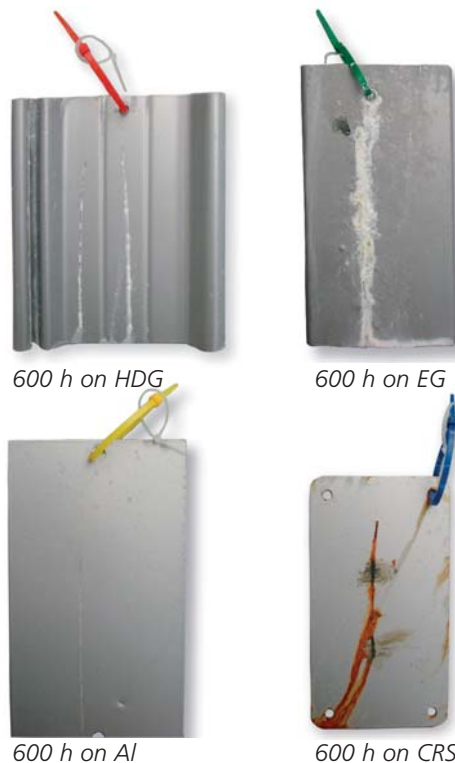
5. Rinse

deionised/reverse-osmosis water



Steel surface treated with SurTec 609 ZetaCoat (left), untreated surface (right)













SurTec 609 ZetaCoat provides excellent corrosion resistance and paint adhesion on steel and aluminium substrates, hot dip galvanised steel and electrogalvanised steel.



Results after 600 hours salt spray test (DIN SS 50021)

	Test SurTec lab under corrosion (mm)	Test Independent lab under corrosion (mm)
cold rolled steel (CRS)	1	0-1
hot dip galvanised (HDG)	0-1	0
electrogalvanised (EG)	3-5	4
aluminium (Al)	0	0

Application Areas of SurTec Products:

-  Corrosion Protection
-  Aluminium Applications
-  Passivation
-  Stainless Steel
-  Phosphating
-  Cleaning
-  Electroplating
-  Colouring
-  Plating on Plastics
-  Pickling
-  Micro Technology
-  Delacquering



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